



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2681
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PAGE 1 OF 9

In re Application of : Zion Hadad
Serial No. : 09/482,030
Filed : January 13, 2000
For : Cellular Network System
Art Unit : 2681
Examiner : Davis, Temica M.

AMENDMENT

RECEIVED

AUG 10 2004

Technology Center 2600

Honorable Commissioner
of Patents and Trademarks
U.S. Patent Office
Washington, D.C. 20231
U.S.A.

Sir:

This amendment is responsive to the Office Action of June 4, 2004.

The answer is being sent today, July 28, 2004 by Facsimile, to the
Examiner at Fax No. 703-872-9306.

A copy is being sent by mail to the US PTO.

08/06/2004 HMARZII 00000062 09482030

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+ CREDIT CARD PAYMENT
FOR

09/402,050

In the Abstract of the disclosure:

Replace the following Abstract for the present one:

-- Abstract of the Disclosure

In a SFN cellular broadcast system, a system for implementing a bidirectional personalized channel with subscribers, comprising: A. a unit for allocating a first group of subcarriers to the broadcast transmission and a second group of subcarriers to the personalized channels; B. a unit for reducing interference in the broadcast channel using an equalizer; and C. a unit for reducing interference in the personalized channel using a controlled allocation of subcarriers in the second group to each subscriber. In a broadcast SFN system using OFDM transmission from a base station to subscriber units, a system for achieving a bi-directional channel comprising a transmitting unit in the subscriber units for a transmission of signals orthogonal to the signals transmitted from the base station, and a receiving unit in the base station for receiving the orthogonal signals.--